



MIAMI TOWNSHIP FIRE & EMS

CLERMONT COUNTY, OHIO

MEDICAL PROTOCOLS



ANAPHYLAXIS/ALLERGIC REACTION

Historical Findings

1. Exposure to an allergen (insect sting, medications, foods, or chemicals).
2. Patient complains of itching, shortness of breath, tightness in chest or throat, weakness, or nausea.

Physical Findings (One or More)

1. Flushing, hives, or swelling.
2. Shortness of breath, wheezing or stridor.
3. Anxiety or restlessness.
4. Pulse > 100 beats/minute (adult).
5. Blood pressure < 90 mmHg systolic in an adult,

Protocol

1. Initiate contact; reassure, and explain procedures.
2. Assess and secure the patient's airway and provide oxygen per the airway, oxygen and ventilation protocol.
3. Perform patient assessment, obtain vital signs and begin cardiac monitoring.
 - A. Remove allergen (stinger from skin, etc.)
4. Initiate IV access with a saline lock or 0.9% normal saline KVO.
 - A. If the patient is hypotensive administer a 1 liter 0.9 % normal saline bolus.
5. Administer epinephrine 1:1000, 0.3 mg IM only if age ≤ 40 and hypotension or severe respiratory distress is present.
6. If bronchospasm (wheezing) is present, administer albuterol (Proventil) aerosol treatment 2.5 mg in 3.0 ml normal saline via hand held nebulizer.



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7. If the patient has signs and symptoms of a systemic reaction consider the administration of the following medications:
 - A. Diphenhydramine (Benadryl) 25-50 mg IV/IM.
 - B. Methylprednisolone (Solu-medrol) 125 mg slow IV.
 - C. Famotidine (Pepcid) 20 mg IV.
8. If the patient remains hypotensive with a systolic < 60 mmHg despite initial epinephrine and fluid bolus, contact medical command for the following orders:
 - A. Epinephrine 1:10,000, 0.1 mg slow IV.
 - B. Dopamine (Intropin) infusion at 5 micrograms/kg/minute.
9. If the patient is on beta-blockers or calcium channel blockers and not responding to treatment, administer glucagon (Glucagen) 2 mg IM/IV.
10. If the patient is exhibiting signs and symptoms of a dystonic reaction, administer diphenhydramine (Benadryl) 25-50 mg IM/IV.